

ABSTRACT

To access control without changing a presently used version of a system application protocol, an operator enters an ID and a password of the operator for user authentication, and, if the user authentication is successful, the operator will have access to an application layer of a system managed using either TCP/IP or UDP/IP. The application layer is adapted to be accessed using a security module to confirm whether or not an IP address of a terminal used by the operator is a preset IP address. In a network operating a version of a network management interface not equipped with a security function, the security deficiency of the system is alleviated by simply adding the security module without effecting a version upgrade process.